

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/011358 A1

(51) International Patent Classification⁷: A01C 7/04, 7/20

(21) International Application Number:

PCT/AU2004/001040

(22) International Filing Date: 5 August 2004 (05.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

2003904353

5 August 2003 (05.08.2003) AU

(71) Applicant and

(72) Inventor: HOLLY, John [AU/AU]; 21 Arthurton Road,
Northcote, Victoria 3070 (AU).

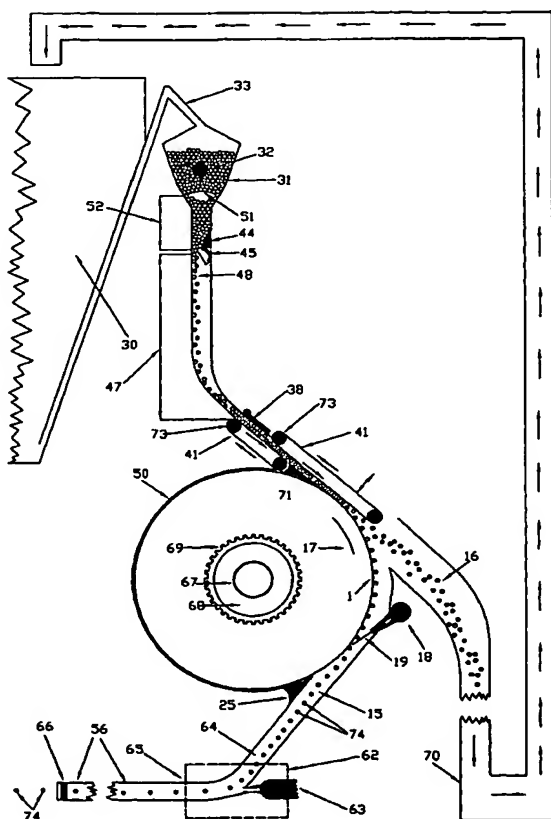
(74) Agents: EARLEY, Martin et al.; Pipers Mills Oakley,
Level 4, 121 William Street, GPO Box 453, Collins Street
West, Melbourne, Victoria 8007 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: SEED DISTRIBUTION METHOD AND APPARATUS



(57) Abstract: A seeding apparatus comprising: (a) seed distribution metering means including a rotating drum (1) with apertures on its periphery and a vacuum generator for generating a suction pressure inside the drum (1) so that seeds are attracted to the apertures; (b) feeding system including a hopper (31), gravitational acceleration chamber (47), velocity controlling elements such as a flap (38) and continuous belts (41) for feeding seeds at a required amount and speed to the drum (1); (c) release mechanisms including an air-jet (19) for releasing metered seeds from the drum (1) along a selected trajectory (15) while unselected seeds follow another trajectory (16). (d) delivery means including an adjustable flow venturi (62) and electronic sensor (66) for controlling delivery of metered seeds.



Published:

- with international search report
- with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.